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10/663,590

09/16/2003

Robert J. Lowles

PAT 53948-2

3288

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RESEARCH IN MOTION, LTD.  
102 DECKER CT.  
SUITE 180  
IRVING, TX 75062

EXAMINER

MUHEBBULLAH, SAJEDA

ART UNIT

PAPER NUMBER

2174

MAIL DATE

DELIVERY MODE

09/27/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/663,590

Applicant(s)

LOWLES, ROBERT J.

Examiner

Sajeda Muhebbullah

Art Unit

2174

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on RCE/Amendment filed 07/16/2007.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1, 2 and 6-9 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1, 2 and 6-9 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### DETAILED ACTION

1. This communication is responsive to RCE/Amendment filed 07/16/2007.
2. Claims 1-2 and 6-9 are pending in this application. Claims 1, 6, 8 and 9 have been amended. Claims 3-5 have been cancelled.

### *Claim Rejections - 35 USC § 103*

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-2 and 6-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lignoul (US 2002/0095222) in view of Yamada (US 7,123,221).

As per claim 1, Lignoul teaches a system for providing a screen saver for a display panel in a mobile electronic device (para.0022, line 7) comprising:

memory for storing a screen saver image (para.0028, lines 7-22; para.0035, lines 14-15);  
display controlling apparatus configured to retrieve said screen saver image from said memory and to transmit said screen saver image to said display panel during a screen saver mode (para.0035, lines 23-33; para.0048); and

screen saver controlling apparatus for sensing activity by a CPU interface, for switching operation of said display panel from an operating mode to the screen saver mode after a predetermined time period of inactivity by the CPU interface (para.0037; para.0048).

However, Lignoul does not teach the apparatus for controlling primary colours of said display panel, the screen saver controlling apparatus including: a set of RGB timers for

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controlling said primary colours of said display panel to balance life of said primary colours; and a set of digital to analog converters (DAC); wherein each of said set of RGB timers is connected, in operable communication, to a DAC corresponding to one of said primary colours to enable and disable said primary colours on said display panel. Yamada teaches an apparatus for controlling primary colours of said display panel (Yamada, col.2, lines 36-41), the screen saver controlling apparatus including: a set of RGB timers for controlling said primary colours of said display panel to balance life of said primary colours (Yamada, col.6, line 66 – col.7, line 1); and a set of digital to analog converters (DAC) (Yamada, col.7, lines 25-29; col.7, lines 47-50); wherein each of said set of RGB timers is connected, in operable communication, to a DAC corresponding to one of said primary colours to enable and disable said primary colours on said display panel (Yamada, col.7, lines 30-67, col. 8, lines 1-5). It would have been obvious to one of ordinary skill at the time of the invention to include Yamada's teaching with Lignoul's system in order to provide improved visual quality in the display.

As per claim 2, the system of Lignoul and Yamada teaches the system wherein said display controlling apparatus comprises: a display controller; a segment driver; and a common driver (Lignoul, para.0047, lines 15-21; para.0048).

As per claim 6, the system of Lignoul and Yamada teaches the system wherein said screen saver controlling apparatus further comprises: a move icon timer configured to count down a move icon time (Lignoul, para.0038); and a command generator for generating a new display location for said screen saver image after said move icon time has elapsed (Lignoul, para.0035).

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As per claim 7, the system of Lignoul and Yamada teaches the system wherein said screen saver image comprises at least one of time data, system status data or number of un-read email data (Lignoul, para.0036, *email access is password protected*; para.0037, line 23).

As per claim 8, Lignoul teaches a method of providing a screen saver for a display panel in a mobile electronic device comprising the steps of:

sensing a time period of inactivity (Lignoul, para.0037);

transmitting a signal to a display controller indicating said sensing of said time period of inactivity (Lignoul, para.0037);

retrieving a screen saver image from memory (Lignoul, para.35, lines 14-15);

determining a display location of said screen saver image on said display panel (Lignoul, para.0037); and

displaying said screen saver image on said display panel at said display location (Lignoul, para.0037).

However, Lignoul does not teach the monitoring use of display panel primary colours and disabling said primary colours using at least one timer and a digital to analog converter (DAC), connected in operable communication, associated with at least one primary colour such that said primary colours are preserved. Yamada teaches an apparatus for the monitoring use of display panel primary colours (Yamada, col.2, lines 36-41) and disabling said primary colours using at least one timer and a digital to analog converter (DAC), connected in operable communication, associated with at least one primary colour such that said primary colours are preserved (Yamada, col.6, line 66 – col.7, line 1, col.7, lines 25-67, col. 8, lines 1-5). It would have been

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obvious to one of ordinary skill at the time of the invention to include Yamada's teaching with Lignoul's system in order to provide improved visual quality in the display.

Claim 9 is similar in scope to claim 6, and is therefore rejected under similar rationale.

***Response to Arguments***

5. Applicant's arguments with respect to claims 1-2 and 6-9 have been considered but are moot in view of the new ground(s) of rejection.

***Communications***

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sajeda Muhebbullah whose telephone number is (571) 272-4065. The examiner can normally be reached on Tuesday/Thursday and alt. Mondays from 8:30 am to 5:00 pm (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine Kincaid, can be reached on (571) 272-4063.

The central fax number for the organization where correspondence for this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**Sajeda Muhebbullah**

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